AMERICAN UNIVERSITY OBSERVATORY

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WEATHER BUREAU

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

April 1960

Printed at the American Press.

APRIL 1960

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	60.9	60.8	61.2	61.0	21.3	14.0	17.6	20.6	15.5	17.9
2	61.2	59.9	58.3	59.8	18.8	16.1	16.6	18.5	17.0	17.4
3	53.5	53.7	56.8	54.7	25.4	13.0	18.0	22.5	17.0	19.2
4	57.0	57.0	58.4	57.5	19.4	13.3	16.3	17.5	15.5	16.4
5	61.2	62.1	64.1	62.5	20.6	13.8	16.1	18.9	15.5	16.8
6	64.4	64.1	63.8	64.1	18.8	14.7	16.5	18.0	16.5	17.0
7	62.3	62.5	62.6	62.5	21.5	15.0	17.5	19.0	17.0	17.8
8	61.8	59.9	59.0	60.2	20.1	12.6	15.3	18.2	14.5	16.0
9	58.6	58.6	59.7	59.0	19.1	13.0	15.9	18.5	15.5	16.6
10	60.4	59.9	61.1	60.5	20.4	13.7	18.5	20.0	15.7	18.1
11	61.5	61.1	60.8	61.1	21.1	14.2	17.7	20.6	16.5	18.3
12	61.5	61.3	61.9	61.6	21.7	14.6	17.0	21.1	16.5	18.2
13	62.4	61.6	61.4	61.8	19.9	16.2	17.1	19.2	17.5	17.9
14	59.0	57.6	56.3	57.6	21.7	17.4	19.5	20.4	18.3	19.4
15	54.9	54.8	54.7	54.8	24.6	19.5	21.5	23.5	20.0	21.7
16	52.4	51.0	51.5	51.6	31.6	19.1	24.5	25.5	27.5	25.8
17	55.2	56.4	58.8	56.8	28.1	16.5	22.5	23.5	19.0	21.7
18	60.7	60.8	61.2	60.9	22.0	16.1	20.5	21.5	17.0	19.7
19	61.8	61.8	62.1	61.9	22.1	15.0	18.8	21.1	17.0	19.0
20	62.1	62.0	62.1	62.1	22.0	15.6	18.4	21.1	16.5	18.7
21	60.6	60.8	59.6	60.3	21.9	17.6	19.2	20.0	18.5	19.2
22	58.0	57.5	57.4	57.6	22.8	19.6	20.0	21.4	21.5	21.0
23	55.2	51.2	47.9	51.4	32.2	20.0	20.7	21.0	32.0	24.5
24	51.5	53.2	55.9	53.5	32.0	16.9	22.0	23.0	19.0	21.3
25	55.3	56.0	56.6	56.0	21.5	16.5	19.7	19.9	17.0	18.9
26	58.2	58.7	60.3	59.1	22.5	15.6	19.2	21.4	17.0	19.2
27	61.4	61.3	61.9	61.5	22.3	16.3	19.6	21.2	17.0	19.3
28	62.4	62.2	62.4	62.3	22.3	15.7	18.0	21.7	17.5	19.1
29	63.1	63.0	63.9	63.3	22.1	16.0	19.8	21.7	17.0	19.5
30	65.5	64.6	64.4	64.8	21.2	17.2	19.4	20.0	19.0	19.5
31										
	59.47	59.18	59.54	59.39	22.70	15.83	18.78	20.68	18.03	19.17

Barometer, range for month 765.5 mm. — 747.9 mm.
„ 71-yr. average for month 760.03mm.
Thermometer, range for month 32.2°C — 12.6°C
„ 82-yr. average for month 18.5°C
Rain total for month 36.32 mm.
„ 82-yr average for month 51.1 mm.
„ Total, Sept. 1st. to end of month 627.36 mm.
„ 82-yr average. Sept. 1st. to end of month 871.50 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.6	15.3	13.8	14.6	73	63	79	72	8.4	237	
2	13.9	16.7	18.1	16.2	74	78	94	82	9.4	127	
3	12.7	17.5	13.6	14.6	62	62	70	65	9.0	129	
4	13.6	16.3	14.9	14.9	73	82	85	80	3.9	306	13.12
5	13.7	13.3	12.8	13.3	74	61	72	69	7.0	167	11.50
6	13.1	14.2	15.5	14.3	69	69	83	74	9.8	151	
7	15.5	17.7	16.1	16.4	77	81	84	81	5.5	63	
8	13.3	11.2	12.8	12.4	76	53	78	69	5.7	158	1.43
9	12.9	15.2	13.1	13.7	71	71	74	72	3.4	166	7.30
10	14.0	15.0	14.0	14.3	66	64	79	70	7.8	97	
11	14.7	16.9	15.2	15.6	73	70	81	75	8.0	135	
12	16.5	16.3	15.2	16.0	85	65	81	77	9.2	150	
13	15.1	16.4	17.8	16.4	77	74	90	88	8.7	55	
14	14.8	17.5	18.0	16.8	65	73	86	75	5.9	43	
15	19.5	13.2	17.8	16.8	75	45	76	65	2.1	18	
16	18.2	15.6	13.2	15.7	59	48	33	47	3.0	50	
17	17.6	16.9	17.7	17.4	64	58	81	68	5.3	169	
18	15.6	14.9	14.5	15.0	64	57	75	65	6.5	153	
19	14.8	15.5	14.5	14.9	68	62	75	68	8.0	153	
20	14.7	15.9	15.7	15.4	69	63	84	72	9.4	90	
21	17.1	18.2	19.0	18.1	77	78	90	82	8.6	77	
22	16.2	18.9	11.6	15.6	69	73	45	62	2.7	37	
23	18.2	17.4	5.6	13.7	75	76	12	54	2.0	257	
24	19.2	20.6	19.3	19.7	72	73	88	78	3.1	240	
25	19.1	19.8	14.3	17.7	83	85	74	81	0.3	113	2.00
26	16.0	15.5	14.3	15.3	72	60	74	69	8.8	145	0.40
27	13.7	16.4	13.6	14.6	60	65	70	65	2.7	101	
28	14.2	15.1	15.1	14.8	69	58	75	67	5.2	101	0.37
29	13.6	15.4	14.8	14.6	59	60	76	65	6.9	68	0.20
30	15.5	16.0	16.7	16.1	68	69	76	71	11.4	164	
31											
	15.39	16.16	14.95	15.50	70.6	66.5	74.7	70.7	6.26	130.67	1.21

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometer exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

APRIL 1960

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	9st	0	0	3.0	3sw	3sw	1sw	light	
2	0	0	0	0.0	3e	2ne	1ne	,,	D.a.mp.m
3	0	0	9cu-st	3.0	2sw	2sw	3sw	,,	
4	10st	9st	9cu-ni	9.3	4sw	4sw	2sw	,,	
5	10st	9ci-st	3cu	7.3	3sw	2sw	1sw	,,	
6	0	0	2ci	0.7	3ne	3ne	2ne	light	
7	0	10st	10ci	6.7	2w	2sw	2sw	,,	D.a.m
8	7cu-st	9st-ci	8cu-st	8.0	3w	4sw	2sw	,,	
9	9cu-st	7cu-st	7cu-st	7.7	3sw	3sw	2sw	,,	
10	4cu st	2cu-st	3cu-st	3.0	2s	2sw	2sw	,,	
11	2ci	6ci	2ci	3.3	3sw	3sw	2sw	light	H.a.m.p.m
12	1cu-st	0	0	0.3	3sw	3sw	1sw	,,	
13	2st	2cu-ci	0	1.3	2ne	2ne	1ne	,,	D.H.a.m.p.m
14	10ci	10ci-st	0	6.7	2ne	3ne	1ne	,,	H·am.p.m.D.p.m
15	10st	10st	10st	10.0	1sw	1sw	1sw	,,	H.a.m.p.m
16	3st	10st	10st	7.7	1se	1w	0	calm	H.a.m.p.m
17	10st	10ci-st	5st	8.3	2w	2w	3w	light	H.a.m.p.m
18	5cu	4cu	2st	3.7	2w	2sw	1sw	,,	
19	10cu-st	8st	4st	7.3	3sw	3sw	2sw	,,	
20	0	5st	0	1.7	3sw	3sw	1sw	,,	D.p.m
21	0	4ci	0	1.3	3sw	3ne	1ne	light	
22	10st	10ci-st	10ci-st	10.0	2sw	2ne	1ne	,,	H.a.m.p.m
23	10st	8st-ci	10st	9.3	4ne	2ne	3sw	,,	H.p.m.Hot windp.m
24	10st	10st-ci	0	6.7	1w	1sw	2sw	,,	H.a.m
25	10st-ci	10st	10st-ni	10.0	3s	3ne	2ne	,,	
26	5cu-st	3cu-st	4st-ci	4.0	3w	3sw	1sw	light	
27	1cu	5cu-st	2cu	2.7	4sw	3w	1sw	,,	
28	8cu-st	4st	7cu-st	6.3	2w	3sw	1sw	,,	
29	9cu-st	3cu-st	2cu-ci	4.7	3sw	3w	1sw	,,	
30	6st	1ci	2ci	3.0	3ne	2ne	2ne	,,	
31									
	mean			5.23					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	5	1	1	2	14	7	0	0	30
14:30	0	9	0	0	0	17	4	0	0	30
20:30	0	8	0	0	0	20	1	0	1	30
Total	0	22	1	1	2	51	12	0	1	90

Number of days with rain, 8 fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 6.23
Time of reading minus 2 hours equals G.C.T